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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4 + 17 Refs

Application Number

10/090,015 ✓

Filing Date

February 22, 2002

First Named Inventor

Jane M. Simmons

Art Unit

2633

Examiner Name

Reza Sedighian

Attorney Docket Number

990823PCT-US

**ENCLOSURES (Check all that apply)**☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

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After Final

☐

Affidavits/declaration(s)

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Extension of Time Request

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Express Abandonment Request

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Information Disclosure Statement

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Certified Copy of Priority Document(s)

☐Reply to Missing Parts/  
Incomplete Application☐Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a  
Provisional Application☐

Power of Attorney, Revocation

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Change of Correspondence Address

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Terminal Disclaimer

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Remarks

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After Allowance Communication to TC

☐Appeal Communication to Board  
of Appeals and Interferences☐Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☒Other Enclosure(s) (please identify  
below):Form PTO-1449, Copies of 17 References,  
and Return Postcard.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Signature

Printed name

Michael C. Antone

Date

April 7, 2006

Reg. No.

39,094

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 10/090,015  
First Named Inventor : Jane M. Simmons  
Filing Date : February 22, 2002  
Art Unit : 2633  
Examiner : Reza Sedighian  
:  
Docket Number : 990823PCT-US  
Customer Number : 021398

Confirmation No.: 5006

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants, in accordance with the duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advises the United States Patent and Trademark Office of the references listed on the accompanying form PTO 1449 "Information Disclosure Statement by Applicant". The cited references are being re-submitted at the request of the Examiner.

Copies of published foreign patent documents and "other documents" cited herein, if any, are included.

Applicants note that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b)."

Respectfully submitted,

Michael C. Antone  
Registration No. 39,094  
443-259-4150

April 7, 2006

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	Atty. Docket No. 990823PCT-US	Serial No.: 10/090,015
	Applicant: Jane M. Simmons	
	Filing Date: February 22, 2002	Group: 2633

## U. S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	ISSUE / PUBLICATION DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

EXAMINER'S INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANSL. Y N	
	EP 0638837 A1	Feb. 15, 1995	EPO				
	WO 97/06614	Feb. 20, 1997	PCT				
	PAJ 10056661 A	Feb. 24, 1998	JPO				
	PAJ 10051382 A	Feb. 20, 1998	JPO				
	EP 0849968 A2	June 24, 1998	EPO				
	EP 0851545 A2	July 1, 1998	EPO				
	EP 0851705 A2	July 1, 1998	EPO				

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	Atty. Docket No. 990823PCT-US	Serial No.: 10/090,015
	Applicant: Jane M. Simmons	
	Filing Date: February 22, 2002	Group: 2633

EXAMINER'S INITIALS	OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)
	Naohide, Negatsu, et al., OPTICAL PATH ACCOMODATION DESIGN ENABLING CROSS-CONNECT SYSTEM SCALE EVALUATION, IEICE Transactions on Communications, Institute of Electronics Information and Comm. Eng., Tokyo, JP, Vol. E78-B, No. 9, 1 <sup>st</sup> September 1995, pages 1339-1343, ISSN 0916-8516.
	O'Mahony, M.J., et al., "THE DESIGN OF A EUROPEAN OPTICAL NETWORK", Journal of Lightwave Technology, IEEE Log Number 9411015, New York, US, 1 <sup>st</sup> May 1995, Vol. 13, No. 5, pages 817-828, ISSN 0733-8724.
	Dumortier, P., et al., "GUIDELINES FOR SCALABLE OPTICAL TELECOMMUNICATION NETWORKS", Singapore, Nov. 14 - 16, 1995, New York, IEEE, US, 14 <sup>th</sup> November 1995, pages 1012 - 1017, ISBN-0-7803-2510-9.
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	Hall, K.L. et al., 100 Gb/s ALL-OPTICAL LOGIC, OFC '98 Post-Deadline Paper PD5-1-PD5-3
	Janos, M. et al., TRANSIENT TRANSMISSION NOTCHES INDUCED IN Er <sup>+3</sup> DOPED OPTICAL FIBRE BRAGG GRATINGS, p. 245, Electronics Letters, 1 <sup>st</sup> February 1996, Vol. 32, No. 3.
	Di Pasquale, F. et al., PUMP CONTROLLED ALL-OPTICAL SWITCHING BY USING HIGH-CONCENTRATION Er <sup>+3</sup> DOPED NONLINEAR WAVEGUIDES, p. 232-3, Electronics Letters, 3 <sup>rd</sup> February 1994, Vol. 30, No. 3.
	Wey, J.S., et al., INVESTIGATION OF DYNAMIC GRATINGS IN ERBIUM-DOPED FIBER FOR OPTICAL BIT PATTERN RECOGNITION, Conference On Lasers And Electro-Optics (CLEO '97), May 18-23, 1997, pp. 443, 444, 1997 OSA Technical Digest Series, Volume 11, Conference Edition.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.